

Greenwood County Early Action Compact Milestone - March 2004
List of Emission Reduction Strategies

Emission Reduction Strategy Under Consideration	Description of Implementation Item	Current Assessment of Emission Reductions	Date for Implementation	Resource Concerns/ Constraints	Geographic Area and/or Local Gov't
Land Use - Mixed-Use Development					
Goal - "The location of stores, restaurants, offices, schools, recreation and jobs within close proximity of residential"					
Allow Mixed-Use Developments	Revise Development Standards to Allow Mixtures of Land Uses in Zoning Districts	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Develop Incentives for Mixed-Use Developments	Revise Development Standards to Provide Incentives for Mixed-Use Developments	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Encourage Home Occupations	Revise Development Standards to Encourage Home Occupations	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Encourage Housing in/near Large-Scale Commercial Developments	Revise Development Standards to Encourage Housing Near Service Areas	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Encourage Incentives for the Inclusion of Pedestrian and Bike Paths	Revise Development Standards to Include Incentives for Alternative Modes of Transportation	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Benefits to Reduce Ozone					
-- Lessens Vehicle Trips -- Encourages Alternative Modes of Travel -- Promotes Bicycle and Pedestrian Travel that Could Replace 18 to 25% of Vehicle Trips -- Reduces Energy Consumption by up to 30% if 1 in 10 trips for Shopping or Personal Business was Made on Foot -- Savings of 50% of Auto-Related Energy can be Realized when New Residential Developments include Higher Density Housing					
Land Use - Compact Development and Clustering					
Goal - "To concentrate development, thus reducing the ambient air quality from impervious surfaces and shorter vehicle trips"					
Allow Compact Development and Clustering	Revise Development Standards to Allow Developers Incentives to Cluster Residential Units Together	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Provide Tax Incentives/Fee Reductions for Compact and Cluster Projects	Revise Development Standards to Provide Reductions in Fees for Cluster Projects	Directionally Sound	April 2004	Public Opposition	County/City
Benefits to Reduce Ozone					
-- Shortens Vehicle Trips -- Reduce Summer Air Temperatures by Reduced Impervious Surfaces -- Provides Efficient Use of Public Services in a Small Geographic Area -- Reduces Vehicle Miles Traveled by 25 to 30% when Density is Doubled					
Transportation - Street and Parking Design					
Goal - "Provide Energy-Efficient Standards for Road Design and Layout, Construction Techniques and Materials, Traffic Optimization and Parking Design"					
Develop Provisions for Safe and Convenient Pedestrian and Bicycle Travel	Develop Sidewalk and Pedestrian Plan Which Outlines Proposed Alternatives to Alternative Travel	Directionally Sound	April 2004		County/City
Continue to Upgrade Traffic Signal Optimization Measures	Assist SC DOT to Upgrade Traffic Signals for Travel Efficiency	Directionally Sound	Ongoing	Lack of Funding	County/City
Evaluate Street Design Standards to Promote Energy Efficiency	Revise Development Standards to Include Design Standards that Promote Energy Efficiency	Directionally Sound	May 2004	Local Governments Not Amending Local Regulations	County/City
Benefits to Reduce Ozone					
-- Encourages Alternative Modes of Travel -- Optimizes Travel -- Shortens Vehicle Trips by Providing Shorter and More Direct Routes -- Reduces Vehicle Miles Traveled by up to 60% When Traditional Street Networks are Used -- Reduces Vehicle Speeds by Utilizing Appropriate Sizing and Design of Streets -- Reduces Ambient Air Temperatures Through Reduced Impervious Surfaces -- Reduces Traffic Congestion and Fuel Consumption by up to 19%					
Transportation - Multi-Modalism					
Goal - "Individual Transportation Modes Working Together to Provide Alternatives such as Mass Transit, Rail, Bicycle, or Pedestrian Travel"					
Encourage Alternative Modes of Transportation in New Developments	Revise Development Standards to Encourage Sidewalks, Bike Trails, etc. in Developments	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Provide for Pedestrian and Bicycle Paths in New Developments	Revise Development Standards to Encourage Sidewalks, Bike Trails, etc. in Developments	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Encourage New Development to Connect Transportation Facilities Together	Revise Development Standards to Connect Developments Together to Promote Transportation Linkages	Directionally Sound	May 2004	Local Governments Not Amending Local Regulations	County/City
Benefits to Reduce Ozone					
-- Provides Alternatives to Vehicle Trips -- Eliminates up to 3% of all Personal Vehicle Trips and Reduces Fuel Use by More Than 1% if Trips 5 Miles or Less Were Made by Bike or on Foot -- Reduces Total Vehicle Trips From 2 to 5% if 20 to 50% of Trips Less than 1/2 Mile Were Made on Foot or by Bicycle					

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Transportation - Travel Alternatives					
Goal - "Reduce Vehicular Traffic and Conserve Energy through the Use of Advanced Technology and Workplace Practices"					
Encourage Telecommuting and Home Occupations	Revise Development Standards to Encourage Individuals to Work From Home	Directionally Sound	April 2004	Local Governments Not Adopting Proposed Zoning Ordinance	County/City
Develop Partnerships for the Enhanced Usage of Teleconferencing Facilities	Develop a Feasibility Study for Local Organizations to Develop Teleconferencing Facilities	Directionally Sound	January 2005		Region/County/City
Benefits to Reduce Ozone					
-- Reduces One Round Vehicle Trip for Each Day a Worker Telecommutes					
-- Removes Extended Vehicle Trips for Meetings and Training Held at Local Teleconferencing Facilities					
Environmental - Alternative Fuels					
Goal - "Reduce Traditional Gasoline and Diesel Fuel Usage Through Alternative Methods"					
Educate the Public on Availability and Benefits of Alternative Fuels	Develop Public Meetings, Ads, Brochures to Address the Educational Needs of the Local Community	Directionally Sound	Ongoing	Local Funding	Region/County/City
Promote the Usage of Alternative Fuels by Local Governments and Agencies	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Directionally Sound	December 2004		Region/County/City
Incorporate the Use of Alternative Fuels into Local Government Operations	Develop a Fuel Efficiency Program that Evaluates the Benefits of the Use of Alternative Fuels	Directionally Sound	December 2004		County
Benefits to Reduce Ozone					
-- Reduces Impacts to the Environment					
Community Facilities - Administration, Policies and Education					
Goal - "To Serve as a Community Example Through Management, Procedures and Training"					
Continue to Enforce Speed Limits	Assist City, County and SCHP in the Enforcement of Local Speed Limits	Directionally Sound	Ongoing	Local Funding	County/City
Develop a Comprehensive Energy Conservation Program (CECP)	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Expand and Promote Teleconferencing Facilities	Develop a Feasibility Study for Local Organizations to Develop Teleconferencing Facilities	Directionally Sound	January 2005		Region/County/City
Promote the Use of Alternative Modes of Travel by Employees	Develop Public Meetings, Ads, Brochures to Address the Educational Needs of the Local Community	Directionally Sound	Ongoing	Local Funding	Region/County/City
Benefits to Reduce Ozone					
-- Reduces Energy Costs by as Much as 15% Without Affecting the Level of Service					
-- Reduces Energy Waste and Promotes Conservation through Employee Education					
-- Reduces Vehicle Trips by Alternative Modes of Travel, Carpooling, Telecommuting, and Teleconferencing					
Community Facilities - Site Location					
Goal - "The Selection of Sites for New Community Facilities Based on Energy Objectives"					
Locate New Facilities Near Transit, Bicycle and Pedestrian Facilities	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Locate New Facilities Near Mixed-Use Developments	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Work with School Districts and Other Govt Organizations in Site Selection	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Benefits to Reduce Ozone					
-- Provides Alternatives to Vehicle Trips					
-- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance					
-- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity					
Community Facilities - Fleet Efficiency					
Goal - "To Optimize Fleet Vehicles (Equipment, Systems, Maintenance and Management Procedures) Based on Energy Standards"					
Replace Older Vehicles with More Energy-Efficient Models	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Directionally Sound	December 2004		County
Provide Regular Maintenance for Vehicles	Develop a Fuel Efficiency Program	Directionally Sound	December 2004		County
Assign Vehicles Appropriate to the Task	Develop a Fuel Efficiency Program	Directionally Sound	December 2004		County
Train Maintenance Staff in Procedures that Will Save Energy	Develop a Fuel Efficiency Program	Directionally Sound	December 2004		County
Train Personnel in Fuel Efficient Driving Techniques	Develop a Fuel Efficiency Program	Directionally Sound	December 2004		County
Incorporate the Use of Alternative Fuels Within the Fleet System	Develop an Alternative Fuel Fleet Program that Analyzes and Promotes Fuel Efficiency	Directionally Sound	December 2004		County
Benefits to Reduce Ozone					
-- Increases Fuel Efficiency Through Operation Procedures and Practices					
-- Improves Fuel Economy From 1 to 5% Through Regular Maintenance					
-- Increases Energy Savings Over Time Through the Replacement of Older Vehicles and Assigning Vehicles to the Correct Purpose					

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Economic Development - Revitalization and Infill					
Goal - "To Reduce Energy Costs through the Use of Existing Properties in Close Proximity to Existing Infrastructure"					
Encourage Economic Development Efforts to Reuse Existing Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Develop Database on Vacant, Underutilized Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Develop Incentives for the Reuse or Infill of Existing Properties	Develop CECP to Evaluate Energy Conservation Programs for Implementation	Directionally Sound	May 2004		County/City
Benefits to Reduce Ozone					
-- Provides Alternatives to Vehicle Trips -- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance -- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity					
Community - Planning Programs					
Goal - "To Identify Programs and Actions that Can Reduce Ozone Production and Minimize the Associated Hazards"					
Develop Seasonal Ozone Awareness Program (SOAP) including: Promotion of Employee Education and Action Development of Educational Materials/Brochures for Disbursement Public Service Announcements Notification of Health Warnings Notification of Open Burning Bans Notification of Small Engine/Lawn Mower Warnings Notification of Engine Idling Warning s Promotion of Ozone Awareness Through Public Presentations	Develop SOAP	Directionally Sound	May 2004	Local Funding	County/City
Develop Ozone Reduction Action Plan (ORAP) including: Appointment of Ozone Action Coordinator Idling Restrictions Lawn Mower/Small Engine Restrictions Postpone Refueling to Evening Hours Transition to Alternative Work Schedules and Flexible Lunch Hours	Develop ORAP	Directionally Sound	May 2004	Local Funding	County/City
Develop an Energy Element to the Comprehensive Plan	Develop Energy Element that Outlines the Energy Usage throughout the County and Plans for the Future Needs of the County's Energy Demand	Directionally Sound	March 2004	Adoption of the Element by County and City Councils	County/City
Benefits to Reduce Ozone					
-- Assists EPA and SCDHEC in Public Notifications and Education -- Reduces Greenwood County's Impacts on the Environment					